



Tackling the Future of Plant Operation – How to integrate online data-analytics, process control, and PAT for optimal plant operation

Venue: DECHEMA, Frankfurt am Main, Germany; Date: 25 January 2017, 10:00 – 18:00

Programme of the Workshop

- 10:00 **Welcome address**
Prof. Dr. Kurt Wagemann, Executive Director, DECHEMA e. V.
- 10:05 **Overview on the workshop – organizational details**, Moderator: Keith Simons
- 10:10 **Key note**
“Towards Sustainable Process Industries: The Role of Control and Optimization”
Klaus Sommer, Bayer AG, Germany – President of A.SPIRE,
- 10:50 **Overview on the CONSENS and ProPAT projects**
Manuel Pereira Remelhe, Bayer AG, Germany – Coordinator CONSENS
Pau Puigdollers, IRIS, Spain – Coordinator ProPAT
- 11:15 **Integrated automation and monitoring in industrial case studies**
- Case study 1: *“Continuous intensified synthesis of organic compounds in a modular plant – online reactor monitoring and closed-loop control”*
Manuel Pereira Remelhe, Bayer AG, Germany
- Case study 2: *“Continuous on-line process control of polyester resins manufacturing”*
Poppy Krassa, Megara Resins, Greece
- 11:45 **Coffee break**
- 12:15 Case study 3: *“Continuous formulation of complex fluids – closed-loop rheology control”*
Francisc Corominas, Procter & Gamble, Belgium
- Case study 4: *“Mineral and metallic powders milling process control with ProPAT technologies”*
Theofilos Zampetakis, Grecian Magnesite, Greece
- 12:45 **Lunch break** & registration for 2 parallel workshop sessions in the afternoon

(Posters of parallel sessions & novel sensor prototypes are displayed during lunch for peeping in advance and registration.)

13:45 Parallel workshop sessions

There will be guided discussions on various topics starting with poster presentations on novel technologies. This will be offered twice (13:45-15:00 and 15:05-16:20). You can choose one topic for each session. Registration for these sessions will be during lunch break.

Currently planned topics that will be offered in both rounds:

- Data and tool integration
- Process and asset monitoring
- Process modeling and simulation
- Process control
- Chemical composition sensors
- Rheology, fouling and particle size sensors

16:20 Coffee break

16:45 Wrap-up of parallel workshop sessions (Moderator: Keith Simons)

17:15 Plenary session (Moderator: Keith Simons)

18:00 Get together with catering

22:00 End of get together